

What is claimed is:

1. A method for providing a user with a presence service, comprising:
connecting a presence program logic to an application not already having
functions for presence service, but having addresses representing different objects,
comprising interfaces for extensibility and operating in a terminal belonging to the
user;
connecting said presence program logic to a presence managing system; and
utilizing at least one interface present in the application to integrate the
presence service with the services of the application.
2. The method according to claim 1, comprising:
using an interface present in the application to retrieve addresses from an
address list stored in the application for use in the presence services.
3. The method according to claim 2, comprising:
traversing the address list by a traversing means in the presence program
logic to find address properties relating to presence addresses.
4. The method according to claim 1, comprising:
utilizing an existing interface in the application to extend the address items in
the address list of the application to also contain presence addresses.
5. The method according to claim 1, comprising:
utilizing an existing interface in the application to extend a toolbar in the
application to comprise icons representing the presence states of members in a
buddy list given by the user.
6. The method according to claim 1, comprising:

utilizing an existing interface in the application to extend the user interface to include input means for the user to use when he wants to change his presence state.

7. The method according to claim 1, comprising:

5 connecting the presence program logic to a PIM application operating in the terminal.

8. The method according to claim 1, comprising:

10 changing the presence state automatically depending on information in a calendar or a reminder list in the application, the interaction between the calendar or the reminder list and the presence program logic being performed through an interface already existing in the application.

9. The method according to claim 1, comprising:

15 adding at least one of an instant messaging, a telephone, and a video program logic to the application.

10. The method according to claim 9, comprising:

20 sending an instant message automatically depending on information in a calendar or a reminder list comprised in the application, the interaction between the calendar or the reminder list and the instant messaging program logic being performed through an interface already existing in the application.

11. A system for providing a user with a presence service, comprising a

25 terminal having an application not already having presence service functions but having addresses representing different objects, and interfaces for extensibility, the terminal including a presence program logic connected to the application, said presence program logic being connected to a presence managing system, the presence program logic having interface interacting means for utilising at least one

interface present in the application to integrate the presence service with the services of the application.

5 12. The system according to claim 11, wherein the interface interacting means is adapted to interact with an interface present in the application to retrieve addresses from an address list stored in the application for use in the presence services.

10 13. The system according to claim 12, comprising:
traversing means connected to the interface interacting means adapted to traverse the address list in the presence program logic to find address properties relating to presence addresses.

15 14. The system according to claim 11, wherein the interface interacting means is adapted to interact with an existing interface in the application to extend the address items in the address list of the application to also contain presence addresses.

20 15. The system according to claim 11, wherein the interface interacting means is adapted to interact with an existing interface in the application to extend a toolbar in the application to include icons representing the presence states of members in a buddy list given by the user.

25 16. The system according to claim 11, wherein the interface interacting means is adapted to interact with an existing interface in the application to extend the user interface to include input means for the user to use when he wants to change his presence state.

30 17. The system according to claim 11, wherein the application is a PIM application.

18. The system according to claim 11, wherein the interface interacting
means is adapted to use an interface in the application to interact with a calendar or
a reminder list in the application such that presence state changes could be
5 performed automatically based on scheduled events in the calendar or the reminder
list.

19. The system according to claim 11, wherein the terminal further
comprises at least one of an instant messaging, a telephone, and a video program
10 logic connected to the application.

20. The system according to claim 19, wherein the interface interacting
means is adapted to use an interface in the application to interact with a calendar or
a reminder list in the application such that instant messages could be sent
15 automatically based on scheduled events in the calendar or the reminder list.